

**Road Weather Management Program  
Best Practices for Road Weather Management**

**PUBLICATIONS LIST**

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**TITLE:**

MOBILITY AND SAFETY IMPACTS OF WINTER STORM  
EVENTS IN A FREEWAY ENVIRONMENT: FINAL REPORT

**ABSTRACT:**

The main goal of the research project summarized in this report was the investigation of winter storm event impacts on the volume, safety and speed characteristics of interstate traffic flow. A literature review of weather related speed and trip choice factors, RWIS and traveler information dissemination was completed. . The models that resulted from this research can be applied in conjunction with each other to produce expected winter storm event volume and speed reductions (i.e., event travel and delay impacts), and crash increases (i.e., event safety impacts).

**SOURCE(S):**

<http://www.ctre.iastate.edu/pubs/midcon/front.pdf>

**Keyword(s):**

Winter storm, Volume, Speed, Crashes, Safety, Mobility